



SEQUENCE LISTING

Scott M. Glaser  
Amylin Pharmaceuticals, Inc.

RECEIVED

MAY 10 2001

TECH CENTER 1600/2900

<120> HIGH AFFINITY EXENDIN RECEPTORS

<130> 030639.0036.UTL (246/091)

<140> 09/718,280

<141> 2000-11-21

<150> 60/166,899

<151> 1999-11-22

<160> 17

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 1

ctactactac taagcgatgg cccagtcctg aactc

35

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 2

gcctgaagat ccattgctca gagaa

25

<210> 3

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Artificial Sequence is synthesized

<400> 3  
ctatacttaa gcttccccgc catggccggc g 31

<210> 4  
<211> 75  
<212> DNA  
<213> Homo Sapien

<220>  
<221> CDS  
<222> (1)...(75)  
<223> GLP-1 Receptor

<400> 4  
agc tgc ccc tgg tac ctg ccc tgg gcc agc agt gtg ccg cag ggc cac 48  
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His  
1 5 10 15

gtg tac cgg ttc tgc aca gct gaa ggc 75  
Val Tyr Arg Phe Cys Thr Ala Glu Gly  
20 25

<210> 5  
<211> 25  
<212> PRT  
<213> Homo Sapien

<400> 5  
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His  
1 5 10 15  
Val Tyr Arg Phe Cys Thr Ala Glu Gly  
20 25

<210> 6  
<211> 75  
<212> DNA  
<213> Homo Sapien

<220>  
<221> CDS  
<222> (1)...(75)  
<223> Human Exendin Receptor

<400> 6  
agc tgc ccc tgg tac ctg ccc tgg gcc agc agt gtg ccg cag ggc cac 48  
Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His  
1 5 10 15

gtg tac cgg ttc tgc aca gct gaa ggc 75  
Val Tyr Arg Phe Cys Thr Ala Glu Gly  
20 25

<210> 7  
 <211> 25  
 <212> PRT  
 <213> Homo Sapien

<400> 7  
 Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro Gln Gly His  
 1 5 10 15  
 Val Tyr Arg Phe Cys Thr Ala Glu Gly  
 20 25

<210> 8  
 <211> 75  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> CDS  
 <222> (1)...(75)  
 <223> Human Exendin Receptor

<400> 8  
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 Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro Gln Gly His  
 1 5 10 15  
 gcg tac cgg ttc tgc aca gct gaa ggc 75  
 Ala Tyr Arg Phe Cys Thr Ala Glu Gly  
 20 25

<210> 9  
 <211> 25  
 <212> PRT  
 <213> Homo Sapien

<400> 9  
 Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro Gln Gly His  
 1 5 10 15  
 Ala Tyr Arg Phe Cys Thr Ala Glu Gly  
 20 25

<210> 10  
 <211> 75  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> CDS  
 <222> (1)...(75)  
 <223> GLP-1 Receptor

<400> 10  
 ctc tgg ctg cag aag gac aac tcc agc ctg ccc tgg agg gac ttg tcg 48  
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
 1 5 10 15  
 gag tgc gag gag tcc aag cga ggg gag 75  
 Glu Cys Glu Glu Ser Lys Arg Gly Glu  
 20 25

<210> 11  
 <211> 25  
 <212> PRT  
 <213> Homo Sapien

<400> 11  
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
 1 5 10 15  
 Ser Cys Glu Glu Ser Lys Arg Gly Glu  
 20 25

<210> 12  
 <211> 75  
 <212> DNA  
 <213> Homo Sapien

<220>  
 <221> CDS  
 <222> (1)...(75)  
 <223> Human Exendin Receptor

<400> 12  
 ctc tgg ctg cag aag gac aac tcc agc ctg ccc tgg agg gac ttg tcg 48  
 Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
 1 5 10 15  
 gag tgc gag gag tcc aag cga ggg gag 75  
 Glu Cys Glu Glu Ser Lys Arg Gly Glu  
 20 25

<210> 13  
 <211> 25  
 <212> PRT  
 <213> Homo Sapien

Leu Trp Leu Gln Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser  
1 5 10 15  
Glu Cys Glu Glu Ser Lys Arg Gly Glu  
20 25

<213> Homo Sapien

atggcggcg	cccccgccc	gctgcgctt	gcgctgctgc	tgctcgggat	ggtagggcagg	60
gccggccccc	gccccaggg	tgccactgtg	tccctctggg	agacggtgca	gaaatggcga	120
gaataccgac	gccagtgcc	gcgctccttg	actgaggatc	cacctccgc	cacagacttg	180
ttctgcaacc	ggaccttcca	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgcc	cggccagca	gtgtgccgca	gggccacgcg	300
taccggttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgccctgg	360
aggaacttgc	tggagtgcga	ggagtccaag	cgaggggaga	gaagctcccc	ggaggagcag	420
ctcctgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctggtt	480
atcgectctg	cgatcctcct	cggcttcaga	cacctgcatc	gcaccaggaa	ctacatccac	540
ctgaaccctg	ttgcatcctt	catcctcgca	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaagtgga	tgtatagcac	agccgccag	cagcaccagt	ggtagggct	cctctcctac	660
caggactctc	tgagctgccg	cctgggtgtt	ctgctcatgc	aggact		706

<213> Homo Sapien

atggcgggcg	cccccgccc	gctggcctt	gcgtgctgc	tgtcgggat	ggtaggcagg	60
gccggccccc	gccccaggg	tgccactgtg	tccctctggg	agacggtgca	gaaatggcga	120
gaataccgac	gccagtgcc	gcgtccctg	actgaggatc	cacctctgc	cacagacttg	180
ttctgcaacc	ggaccttcca	tgaatacgcc	tgctggccag	atggggagcc	aggctcgttc	240
gtgaatgtca	gctgcccctg	gtacctgcc	tgggccagca	gtgtgccgca	gggccacgtg	300
taccggttct	gcacagctga	aggcctctgg	ctgcagaagg	acaactccag	cctgccttgg	360
agggacttgt	cggactgcga	ggagtccaag	cgaggggaga	gaagctcccc	ggaggaccag	420
ctcctgttcc	tctacatcat	ctacacggtg	ggctacgcac	tctccttctc	tgctctggtt	480
atcgctctctg	cgatcctcct	cggcttcaga	cacctggact	gcaccaggaa	ctacatccac	540
ctgaacctgt	ttgcatcctt	cattcttcga	gcattgtccg	tcttcatcaa	ggacgcagcc	600
ctgaaatgga	tgtatagcac	agccgcccag	cagcacaggt	gggatgggct	cctctcctac	660
caqqactctc	tgaactqccq	cctqgtgttt	ctqctcatqc	aqtact		706

<213> Homo Sapien

Met Ala Gly Ala Pro Gly Pro Leu Arg Leu Ala Leu Leu Leu Gly  
1 5 10 15  
Met Val Gly Arg Ala Gly Pro Arg Pro Gln Gly Ala Thr Val Ser Leu  
20 25 30

Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg  
                   35                                  40                                  45  
 Ser Leu Thr Glu Asp Pro Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg  
                   50                                  55                                  60  
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe  
 65                                  70                                  75                                  80  
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Arg Ala Ser Ser Val Pro  
                                   85                                  90                                  95  
 Gln Gly His Ala Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln  
                                   100                                  105                                  110  
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asn Leu Ser Glu Cys Glu Glu  
                                   115                                  120                                  125  
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu  
                                   130                                  135                                  140  
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val  
 145                                  150                                  155                                  160  
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg  
                                   165                                  170                                  175  
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu  
                                   180                                  185                                  190  
 Ser Val Phe Ile Lys Asp Ala Ala Leu Lys Trp Met Tyr Ser Thr Ala  
                                   195                                  200                                  205  
 Ala Gln Gln His Gln Trp Asp Gly Leu Leu Ser Tyr Gln Asp Ser Leu  
                                   210                                  215                                  220  
 Ser Cys Arg Leu Val Phe Leu Leu Met Gln  
 225                                  230

<210> 17  
 <211> 234  
 <212> PRT  
 <213> Homo Sapien

<400> 17  
 Met Ala Gly Ala Pro Gly Pro Leu Arg Leu Ala Leu Leu Leu Gly  
                   1                                  5                                  10                                  15  
 Met Val Gly Arg Ala Gly Pro Arg Pro Gln Gly Ala Thr Val Ser Leu  
                                   20                                  25                                  30  
 Trp Glu Thr Val Gln Lys Trp Arg Glu Tyr Arg Arg Gln Cys Gln Arg  
                   35                                  40                                  45  
 Ser Leu Thr Glu Asp Pro Pro Pro Ala Thr Asp Leu Phe Cys Asn Arg  
                   50                                  55                                  60  
 Thr Phe Asp Glu Tyr Ala Cys Trp Pro Asp Gly Glu Pro Gly Ser Phe  
 65                                  70                                  75                                  80  
 Val Asn Val Ser Cys Pro Trp Tyr Leu Pro Trp Ala Ser Ser Val Pro  
                                   85                                  90                                  95  
 Gln Gly His Val Tyr Arg Phe Cys Thr Ala Glu Gly Leu Trp Leu Gln  
                                   100                                  105                                  110  
 Lys Asp Asn Ser Ser Leu Pro Trp Arg Asp Leu Ser Glu Cys Glu Glu  
                                   115                                  120                                  125  
 Ser Lys Arg Gly Glu Arg Ser Ser Pro Glu Glu Gln Leu Leu Phe Leu  
                                   130                                  135                                  140  
 Tyr Ile Ile Tyr Thr Val Gly Tyr Ala Leu Ser Phe Ser Ala Leu Val  
 145                                  150                                  155                                  160  
 Ile Ala Ser Ala Ile Leu Leu Gly Phe Arg His Leu His Cys Thr Arg  
                                   165                                  170                                  175  
 Asn Tyr Ile His Leu Asn Leu Phe Ala Ser Phe Ile Leu Arg Ala Leu

		180					185			190			
Ser	Val	Phe	Ile	Lys	Asp	Ala	Ala	Leu	Lys	Trp	Met	Tyr	Ser
		195					200					205	Thr
Ala	Gln	Gln	His	Gln	Trp	Asp	Gly	Leu	Leu	Ser	Tyr	Gln	Asp
		210				215					220	Ser	Leu
Ser	Cys	Arg	Leu	Val	Phe	Leu	Leu	Met	Gln				
225					230								